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Total Errors: 0

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# SEQUENCE LISTING

<110> Huber, L. Julie  
Solomon, Jonathan M.

<120> CYTOCHROME C ACETYLATION

<130> 13407-026US1

<140> 10538823

<141> 2007-07-03

<150> US 10/538,823

<151> 2005-06-13

<150> PCT/US03/39794

<151> 2003-12-15

<150> US 60/433,096

<151> 2002-12-13

<160> 8

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 747

<212> PRT

<213> Homo sapiens

<400> 1

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			20					25					30		
Leu	Arg	Lys	Arg	Pro	Arg	Arg	Asp	Gly	Pro	Gly	Leu	Glu	Arg	Ser	Pro
		35				40						45			
Gly	Glu	Pro	Gly	Gly	Ala	Ala	Pro	Glu	Arg	Glu	Val	Pro	Ala	Ala	Ala
	50					55				60					
Arg	Gly	Cys	Pro	Gly	Ala	Ala	Ala	Ala	Leu	Trp	Arg	Glu	Ala	Glu	
65					70				75					80	
Ala	Glu	Ala	Ala	Ala	Ala	Gly	Gly	Glu	Gln	Glu	Ala	Gln	Ala	Thr	Ala
				85					90					95	
Ala	Ala	Gly	Glu	Gly	Asp	Asn	Gly	Pro	Gly	Leu	Gln	Gly	Pro	Ser	Arg
			100					105					110		
Glu	Pro	Pro	Leu	Ala	Asp	Asn	Leu	Tyr	Asp	Glu	Asp	Asp	Asp	Asp	Glu
	115					120						125			
Gly	Glu	Glu	Glu	Glu	Glu	Ala	Ala	Ala	Ala	Ala	Ile	Gly	Tyr	Arg	Asp
	130					135					140				
Asn	Leu	Leu	Phe	Gly	Asp	Glu	Ile	Ile	Thr	Asn	Gly	Phe	His	Ser	Cys
145					150					155					160
Glu	Ser	Asp	Glu	Glu	Asp	Arg	Ala	Ser	His	Ala	Ser	Ser	Ser	Asp	Trp
			165						170					175	
Thr	Pro	Arg	Pro	Arg	Ile	Gly	Pro	Tyr	Thr	Phe	Val	Gln	Gln	His	Leu
			180					185					190		

Met	Ile	Gly	Thr	Asp	Pro	Arg	Thr	Ile	Leu	Lys	Asp	Leu	Leu	Pro	Glu	195	200	205
Thr	Ile	Pro	Pro	Pro	Glu	Leu	Asp	Asp	Met	Thr	Leu	Trp	Gln	Ile	Val	210	215	220
Ile	Asn	Ile	Leu	Ser	Glu	Pro	Pro	Lys	Arg	Lys	Lys	Arg	Lys	Asp	Ile	225	230	235
Asn	Thr	Ile	Glu	Asp	Ala	Val	Lys	Leu	Leu	Gln	Glu	Cys	Lys	Lys	Ile	245	250	255
Ile	Val	Leu	Thr	Gly	Ala	Gly	Val	Ser	Val	Ser	Cys	Gly	Ile	Pro	Asp	260	265	270
Phe	Arg	Ser	Arg	Asp	Gly	Ile	Tyr	Ala	Arg	Leu	Ala	Val	Asp	Phe	Pro	275	280	285
Asp	Leu	Pro	Asp	Pro	Gln	Ala	Met	Phe	Asp	Ile	Glu	Tyr	Phe	Arg	Lys	290	295	300
Asp	Pro	Arg	Pro	Phe	Phe	Lys	Phe	Ala	Lys	Glu	Ile	Tyr	Pro	Gly	Gln	305	310	315
Phe	Gln	Pro	Ser	Leu	Cys	His	Lys	Phe	Ile	Ala	Leu	Ser	Asp	Lys	Glu	325	330	335
Gly	Lys	Leu	Leu	Arg	Asn	Tyr	Thr	Gln	Asn	Ile	Asp	Thr	Leu	Glu	Gln	340	345	350
Val	Ala	Gly	Ile	Gln	Arg	Ile	Ile	Gln	Cys	His	Gly	Ser	Phe	Ala	Thr	355	360	365
Ala	Ser	Cys	Leu	Ile	Cys	Lys	Tyr	Lys	Val	Asp	Cys	Glu	Ala	Val	Arg	370	375	380
Gly	Asp	Ile	Phe	Asn	Gln	Val	Val	Pro	Arg	Cys	Pro	Arg	Cys	Pro	Ala	385	390	395
Asp	Glu	Pro	Leu	Ala	Ile	Met	Lys	Pro	Glu	Ile	Val	Phe	Phe	Gly	Glu	405	410	415
Asn	Leu	Pro	Glu	Gln	Phe	His	Arg	Ala	Met	Lys	Tyr	Asp	Lys	Asp	Glu	420	425	430
Val	Asp	Leu	Leu	Ile	Val	Ile	Gly	Ser	Ser	Leu	Lys	Val	Arg	Pro	Val	435	440	445
Ala	Leu	Ile	Pro	Ser	Ser	Ile	Pro	His	Glu	Val	Pro	Gln	Ile	Leu	Ile	450	455	460
Asn	Arg	Glu	Pro	Leu	Pro	His	Leu	His	Phe	Asp	Val	Glu	Leu	Leu	Gly	465	470	475
Asp	Cys	Asp	Val	Ile	Ile	Asn	Glu	Leu	Cys	His	Arg	Leu	Gly	Gly	Glu	485	490	495
Tyr	Ala	Lys	Leu	Cys	Cys	Asn	Pro	Val	Lys	Leu	Ser	Glu	Ile	Thr	Glu	500	505	510
Lys	Pro	Pro	Arg	Thr	Gln	Lys	Glu	Leu	Ala	Tyr	Leu	Ser	Glu	Leu	Pro	515	520	525
Pro	Thr	Pro	Leu	His	Val	Ser	Glu	Asp	Ser	Ser	Ser	Pro	Glu	Arg	Thr	530	535	540
Ser	Pro	Pro	Asp	Ser	Ser	Val	Ile	Val	Thr	Leu	Leu	Asp	Gln	Ala	Ala	545	550	555
Lys	Ser	Asn	Asp	Asp	Leu	Asp	Val	Ser	Glu	Ser	Lys	Gly	Cys	Met	Glu	565	570	575
Glu	Lys	Pro	Gln	Glu	Val	Gln	Thr	Ser	Arg	Asn	Val	Glu	Ser	Ile	Ala	580	585	590
Glu	Gln	Met	Glu	Asn	Pro	Asp	Leu	Lys	Asn	Val	Gly	Ser	Ser	Thr	Gly	595	600	605
Glu	Lys	Asn	Glu	Arg	Thr	Ser	Val	Ala	Gly	Thr	Val	Arg	Lys	Cys	Trp	610	615	620
Pro	Asn	Arg	Val	Ala	Lys	Glu	Gln	Ile	Ser	Arg	Arg	Leu	Asp	Gly	Asn	625	630	635
Gln	Tyr	Leu	Phe	Leu	Pro	Pro	Asn	Arg	Tyr	Ile	Phe	His	Gly	Ala	Glu			



290		295		300
Gly Gly Met Asp Phe Asp Ser Lys Lys Ala Tyr Arg Asp Val Ala Trp				
305		310		315
Leu Gly Glu Cys Asp Gln Gly Cys Leu Ala Leu Ala Glu Leu Leu Gly				
	325		330	335
Trp Lys Lys Glu Leu Glu Asp Leu Val Arg Arg Glu His Ala Ser Ile				
	340		345	350
Asp Ala Gln Ser Gly Ala Gly Val Pro Asn Pro Ser Thr Ser Ala Ser				
	355		360	365
Pro Lys Lys Ser Pro Pro Pro Ala Lys Asp Glu Ala Arg Thr Thr Glu				
	370		375	380
Arg Glu Lys Pro Gln				
385				

<210> 3

<211> 399

<212> PRT

<213> Homo sapiens

<400> 3

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Ala Cys Gly Cys Arg Leu Val Leu Gly Gly Arg Asp Asp Val Ser Ala				
	35	40	45	
Gly Leu Arg Gly Ser His Gly Ala Arg Gly Glu Pro Leu Asp Pro Ala				
	50	55	60	
Arg Pro Leu Gln Arg Pro Pro Arg Pro Glu Val Pro Arg Ala Phe Arg				
	65	70	75	80
Arg Gln Pro Arg Ala Ala Ala Pro Ser Phe Phe Phe Ser Ser Ile Lys				
	85	90	95	
Gly Gly Arg Arg Ser Ile Ser Phe Ser Val Gly Ala Ser Ser Val Val				
	100	105	110	
Gly Ser Gly Gly Ser Ser Asp Lys Gly Lys Leu Ser Leu Gln Asp Val				
	115	120	125	
Ala Glu Leu Ile Arg Ala Arg Ala Cys Gln Arg Val Val Val Met Val				
	130	135	140	
Gly Ala Gly Ile Ser Thr Pro Ser Gly Ile Pro Asp Phe Arg Ser Pro				
	145	150	155	160
Gly Ser Gly Leu Tyr Ser Asn Leu Gln Gln Tyr Asp Leu Pro Tyr Pro				
	165	170	175	
Glu Ala Ile Phe Glu Leu Pro Phe Phe Phe His Asn Pro Lys Pro Phe				
	180	185	190	
Phe Thr Leu Ala Lys Glu Leu Tyr Pro Gly Asn Tyr Lys Pro Asn Val				
	195	200	205	
Thr His Tyr Phe Leu Arg Leu Leu His Asp Lys Gly Leu Leu Leu Arg				
	210	215	220	
Leu Tyr Thr Gln Asn Ile Asp Gly Leu Glu Arg Val Ser Gly Ile Pro				
	225	230	235	240
Ala Ser Lys Leu Val Glu Ala His Gly Thr Phe Ala Ser Ala Thr Cys				
	245	250	255	
Thr Val Cys Gln Arg Pro Phe Pro Gly Glu Asp Ile Arg Ala Asp Val				
	260	265	270	
Met Ala Asp Arg Val Pro Arg Cys Pro Val Cys Thr Gly Val Val Lys				
	275	280	285	
Pro Asp Ile Val Phe Phe Gly Glu Pro Leu Pro Gln Arg Phe Leu Leu				

290	295	300
His Val Val Asp Phe Pro Met Ala Asp Leu Leu Leu Ile Leu Gly Thr		
305	310	315
Ser Leu Glu Val Glu Pro Phe Ala Ser Leu Thr Glu Ala Val Arg Ser		320
	325	330
Ser Val Pro Arg Leu Leu Ile Asn Arg Asp Leu Val Gly Pro Leu Ala		335
	340	345
Trp His Pro Arg Ser Arg Asp Val Ala Gln Leu Gly Asp Val Val His		350
	355	360
Gly Val Glu Ser Leu Val Glu Leu Leu Gly Trp Thr Glu Glu Met Arg		365
	370	375
Asp Leu Val Gln Arg Glu Thr Gly Lys Leu Asp Gly Pro Asp Lys		380
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<210> 4

<211> 314

<212> PRT

<213> Homo sapiens

<400> 4

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Val Pro Ala Ser Pro Pro Leu Asp Pro Glu Lys Val Lys Glu Leu Gln		30
	35	40
Arg Phe Ile Thr Leu Ser Lys Arg Leu Leu Val Met Thr Gly Ala Gly		45
	50	55
Ile Ser Thr Glu Ser Gly Ile Pro Asp Tyr Arg Ser Glu Lys Val Gly		60
	65	70
Leu Tyr Ala Arg Thr Asp Arg Arg Pro Ile Gln His Gly Asp Phe Val		75
	85	90
Arg Ser Ala Pro Ile Arg Gln Arg Tyr Trp Ala Arg Asn Phe Val Gly		95
	100	105
Trp Pro Gln Phe Ser Ser His Gln Pro Asn Pro Ala His Trp Ala Leu		110
	115	120
Ser Thr Trp Glu Lys Leu Gly Lys Leu Tyr Trp Leu Val Thr Gln Asn		125
	130	135
Val Asp Ala Leu His Thr Lys Ala Gly Ser Arg Arg Leu Thr Glu Leu		140
	145	150
His Gly Cys Met Asp Arg Val Leu Cys Leu Asp Cys Gly Glu Gln Thr		155
	165	170
Pro Arg Gly Val Leu Gln Glu Arg Phe Gln Val Leu Asn Pro Thr Trp		175
	180	185
Ser Ala Glu Ala His Gly Leu Ala Pro Asp Gly Asp Val Phe Leu Ser		190
	195	200
Glu Glu Gln Val Arg Ser Phe Gln Val Pro Thr Cys Val Gln Cys Gly		205
	210	215
Gly His Leu Lys Pro Asp Val Val Phe Phe Gly Asp Thr Val Asn Pro		220
	225	230
Asp Lys Val Asp Phe Val His Lys Arg Val Lys Glu Ala Asp Ser Leu		235
	245	250
Leu Val Val Gly Ser Ser Leu Gln Val Tyr Ser Gly Tyr Arg Phe Ile		255
	260	265
Leu Thr Ala Trp Glu Lys Lys Leu Pro Ile Ala Ile Leu Asn Ile Gly		270
	275	280
Pro Thr Arg Ser Asp Asp Leu Ala Cys Leu Lys Leu Asn Ser Arg Cys		285

290	295	300
Gly Glu Leu Leu Pro Leu Ile Asp Pro Cys		
305	310	

  

<210> 5  
 <211> 310  
 <212> PRT  
 <213> Homo sapiens

  

<400> 5

Met Arg Pro Leu Gln Ile Val Pro Ser Arg Leu Ile Ser Gln Leu Tyr		
1	5	10 15
Cys Gly Leu Lys Pro Pro Ala Ser Thr Arg Asn Gln Ile Cys Leu Lys		
	20	25 30
Met Ala Arg Pro Ser Ser Ser Met Ala Asp Phe Arg Lys Phe Phe Ala		
	35	40 45
Lys Ala Lys His Ile Val Ile Ile Ser Gly Ala Gly Val Ser Ala Glu		
	50	55 60
Ser Gly Val Pro Thr Phe Arg Gly Ala Gly Gly Tyr Trp Arg Lys Trp		
65	70	75 80
Gln Ala Gln Asp Leu Ala Thr Pro Leu Ala Phe Ala His Asn Pro Ser		
	85	90 95
Arg Val Trp Glu Phe Tyr His Tyr Arg Arg Glu Val Met Gly Ser Lys		
	100	105 110
Glu Pro Asn Ala Gly His Arg Ala Ile Ala Glu Cys Glu Thr Arg Leu		
	115	120 125
Gly Lys Gln Gly Arg Arg Val Val Val Ile Thr Gln Asn Ile Asp Glu		
	130	135 140
Leu His Arg Lys Ala Gly Thr Lys Asn Leu Leu Glu Ile His Gly Ser		
145	150	155 160
Leu Phe Lys Thr Arg Cys Thr Ser Cys Gly Val Val Ala Glu Asn Tyr		
	165	170 175
Lys Ser Pro Ile Cys Pro Ala Leu Ser Gly Lys Gly Ala Pro Glu Pro		
	180	185 190
Gly Thr Gln Asp Ala Ser Ile Pro Val Glu Lys Leu Pro Arg Cys Glu		
	195	200 205
Glu Ala Gly Cys Gly Gly Leu Leu Arg Pro His Val Val Trp Phe Gly		
	210	215 220
Glu Asn Leu Asp Pro Ala Ile Leu Glu Glu Val Asp Arg Glu Leu Ala		
225	230	235 240
His Cys Asp Leu Cys Leu Val Val Gly Thr Ser Ser Val Val Tyr Pro		
	245	250 255
Ala Ala Met Phe Ala Pro Gln Val Ala Ala Arg Gly Val Pro Val Ala		
	260	265 270
Glu Phe Asn Thr Glu Thr Thr Pro Ala Thr Asn Arg Phe Arg Phe His		
	275	280 285
Phe Gln Gly Pro Cys Gly Thr Thr Leu Pro Glu Ala Leu Ala Cys His		
	290	295 300
Glu Asn Glu Thr Val Ser		
305	310	

<210> 6  
 <211> 355  
 <212> PRT  
 <213> Homo sapiens

<400> 6



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Lys	Cys	Gly	Leu	Pro	Glu	Ile	Phe	Asp	Pro	Pro	Glu	Glu	Leu	Glu	Arg
			20					25					30		
Lys	Val	Trp	Glu	Leu	Ala	Arg	Leu	Val	Trp	Gln	Ser	Ser	Ser	Val	Val
		35					40					45			
Phe	His	Thr	Gly	Ala	Gly	Ile	Ser	Thr	Ala	Ser	Gly	Ile	Pro	Asp	Phe
	50					55					60				
Arg	Gly	Pro	His	Gly	Val	Trp	Thr	Met	Glu	Glu	Arg	Gly	Leu	Ala	Pro
65					70				75					80	
Lys	Phe	Asp	Thr	Thr	Phe	Glu	Ser	Ala	Arg	Pro	T				